

Message Text

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C O N F I D E N T I A L USNATO 1775

E.O. 11652: GDS 12/31/80

TAGS: MCAP, NATO

SUBJECT: AIRCRAFT SURVIVABILITY MEASURES

HAGUE PASS SHAPE TECHNICAL CENTER FOR COL AKERS

REF: A. USNATO 1686

B. USNATO 1630

C. USNATO 1631

D. STATE 064067

BEGIN SUMMARY. THIS MESSAGE REPORTS MEETING, 1 APRIL, AT USNATO ON AIRCRAFT MEASURES ATTENDED BY UK, FRG, SHAPE, AND SHAPE TECHNICAL CENTER (STC). REPS PROVIDED BRIEFINGS ON STATUS OF STUDIES AND EXCHANGED VIEWS ON FUTURE WORK NEEDED. SHAPE REP AGREED TO CONSIDER POSSIBILITY OF RE-ACTIVATING CONFIDENTIAL

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SHAPE TECHNICAL CENTER STUDY ON AIRBASE DEFENSE (STC OPS 73/1). FRG REP INDICATED THAT FRG MIGHT BE WILLING TO PROVIDE ONE SCIENTIST TO THE STC FOR A PERIOD OF NINE MONTHS. END SUMMARY.

1. MEETING HELD AT USNATO, 1 APRIL, ON AIRCRAFT SURVIVAL MEASURES WAS ATTENDED BY MR. LEDLIE, FIRST SECRETARY, UK MISSION; MR. FAUSET, ASST CHIEF SCIENTIST, RAF; COL BRAUNS, MOD BONN; MR. NEUBECKER, IABG OTTOBRUNN; MR. FACEY, SHAPE TECHNICAL CENTER; LTC PATTERSON, OPS, SHAPE; CDR YONGBLOOD, PLANS AND POLICY, SHAPE; MAJ SCHAPLEY, PLANS AND POLICY, SHAPE; B/GEN BOWMAN, DEPUTY DEFENSE ADVISOR, USNATO, AND COL PARRIS, DEF OPS, USNATO.

2. US REP (B/GEN BOWMAN) OPENED MEETING BY REVIEWING MINISTERIAL DECISIONS TAKEN IN DECEMBER AND EWG WORK PROGRAM.

3. STC REP (FACEY) GAVE PRESENTATION OF STATUS OF WORK ON STUDY STC OPS 73/1, WHICH IS DESIGNED TO EVALUATE THE EFFECTIVENESS OF VARIOUS MIXES OF PASSIVE AND ACTIVE MEASURES UNDER ONE OR MORE LEVELS OF EQUAL COSTS CONSTRAINTS. FACTORS CONSIDERED INCLUDE LARGE VOLUME OF DATA ON ACTUAL AIRBASES, TARGET ACQUISITION FACTORS, ATTACK PATTERNS, MIXES OF ACTIVE AIR DEFENSES, AIRCRAFT AND MAINTENANCE SHELTERS, AND USE OF TONE DOWN AND RAPID RUNWAY REPAIR. STC HAS ACCUMULATED MOST OF THE NECESSARY DATA AND HAS STARTED WORK ON THE MODEL. MODEL WOULD PERMIT VARIATIONS IN EACH OF THE FACTORS AND COULD BE USED TO STUDY A SPECIFIC AIRBASE OR A GROUP OF AIRBASES. WORK BEGAN IN EARLY 73 WITH 4 ANALYSTS, BUT WAS PLACED IN HOLD STATUS IN SEPTEMBER 73 DUE TO AWACS STUDY. ABOUT 9 MONTHS WOULD BE NEEDED TO COMPLETE STUDY AFTER RESUMING HIGHER PRIORITY.

4. UK REP (FAUSET) BRIEFED ON TWO UK STUDIES. THE FIRST CONCERNED COST EFFECTIVENESS OF AIRCRAFT SHELTERS FOR UK AIRCRAFT IN GERMANY AND THE 2ND ONE STILL IN PROGRESS IS A COUNTER AIR STUDY AGAINST THE WARSAW PACT INVOLVING IMPROVED MUNITIONS FOR USE AGAINST SHELTERS. STUDIES DEMONSTRATE VALUE OF SHELTERS, EVEN WITH NEW AIR DEFENSE WEAPONS AND TAKING ACCOUNT OF AREA DEFENSES. STUDIES ALSO INDICATE THE NEED FOR GREATLY IMPROVED ACTIVE AIR DEFENSES TO REACH ANYTHING LIKE AN CONFIDENTIAL

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ACCEPTABLE LOSS RATE BETWEEN ATTACKING AIRCRAFT AND AIRCRAFT LOSSES ON THE GROUND. THE FRG REP REPORTED PRELIMINARY WORK ALONG THE SAME LINES AS THE STC STUDY.

5. SHAPE REP AGREED TO CONSIDER POSSIBILITY OF RESUMING STC STUDY EFFORT. STC STUDY MUST BE UPGRADED TO PRIORITY I TO MEET DESIRED COMPLETION DATE. FRG REP INDICATED THAT FRG MIGHT BE WILLING TO PROVIDE ONE SCIENTIST TO THE STC FOR A PERIOD OF NINE MONTHS. TIME SHOULD BE AVAILABLE FOR THIS STUDY SINCE INFRASTRUCTURE SLICE XXVI TO BE APPROVED IN THE SPRING OF 1975 WILL BE NEEDED FOR M PLUS 3 AIRCRAFT SHELTERS. THUS THE NEXT SHELTER PROGRAM DECISION WOULD BE IN THE SPRING OF 1975.
RUMSFELD

CONFIDENTIAL

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